Claims

- [c1] What is claimed is:
 - 1.A method of detecting and eliminating errors in application data stored in a section of a memory of an electronic device, the method comprising: providing an application program containing an error checking algorithm in the electronic device; starting the application program to access the application data; executing the error checking algorithm to check for errors in the application data; and erasing the application data if the error checking algorithm algorithm to check in alg
- [c2] 2.The method of claim 1 wherein only the application data accessed by the application program is erased if the error checking algorithm detects the error in the application data.

rithm detects an error in the application data.

- [c3] 3.The method of claim 1 wherein the section of the memory is reset to an initial status after the application data is erased from the section of the memory.
- [c4] 4.The method of claim 1 wherein the electronic device is

restarted after the application data is erased.

- [05] 5.The method of claim 1 wherein the error checking algorithm determines the error in the application data to be a logical error.
- [06] 6.The method of claim 1 wherein the memory is a non-volatile memory.
- [c7] 7.The method of claim 6 wherein the memory is a flash memory.
- [08] 8.The method of claim 1 wherein the electronic device is a mobile phone.
- [09] 9.The method of claim 1 wherein the electronic device is a personal digital assistant (PDA).
- [c10] 10.The method of claim 1 wherein the electronic device is a computer.